

## (12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date  
8 July 2004 (08.07.2004)

PCT

(10) International Publication Number  
**WO 2004/057755 A1**

(51) International Patent Classification<sup>7</sup>: **H03F 1/02**

(21) International Application Number:  
PCT/SE2002/002433

(22) International Filing Date:  
19 December 2002 (19.12.2002)

(25) Filing Language: English

(26) Publication Language: English

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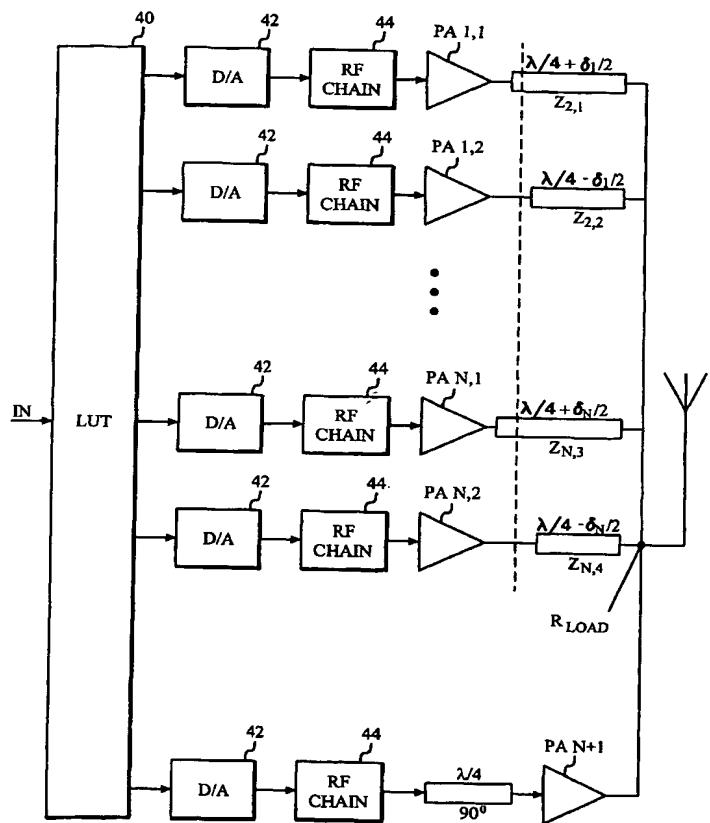
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(81) Designated States (national): AE, AG, AL, AM, AT (utility model), AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ (utility model), CZ, DE (utility model), DE, DK (utility model), DK, DM, DZ, EC, EE (utility model), EE, ES, FI (utility model), FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK (utility model), SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, SI, SK,

*[Continued on next page]*

(54) Title: COMPOSITE AMPLIFIER STRUCTURE



(57) Abstract: A composite power amplifier structure includes a first power amplifier (PA N+1) configured as an auxiliary amplifier of a Doherty amplifier and connected to an output node and an even number of further power amplifiers configured into at least one Chireix pair (PA 1,1 + PA 1,2 ... PA N,1 + PA N,2) connected to the same output node. The Chireix pairs are driven (40) at least partially in outphasing modes and the first power amplifier is driven (40) in the same manner as the auxiliary amplifier of a Doherty amplifier.



TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,  
GW, ML, MR, NE, SN, TD, TG).

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**Published:**

— *with international search report*